

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011945**Date Inspected:** 31-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:** Mr.You Zhi Guo**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

MAGNETIC PARTICLE TESTING:-**TOWER TRAIL ASSEMBLY AREA:-**

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as East Tower Lift 1 Skin E Bearing Plate. The weld designations reviewed are as follows:

ESD1-SA227F/H-2,4,6,8,10,12,14,16,18,20

IN PROCESS INSPECTION:-**TOWER TRAIL ASSEMBLY AREA:-****EAST SHAFT LIFT 1:-**

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: ESD1-SA294F/G-7 located on Skin C Bearing Plate. Welder is identified as 040736.ZPMC CWI is identified as Mr. You Zhi Guo. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

SOUTH SHAFT LIFT 1:-

WELDING INSPECTION REPORT

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This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA18-15 located on Skin A Bearing Plate. Welder is identified as 201825. ZPMC QC is identified as Mr.Qiu Wen. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA16-11 located on Skin E Bearing Plate. Welder is identified as 040343. ZPMC QC is identified as Mr.Qiu Wen. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA17F/G-15 located on Skin C Bearing Plate. Welder is identified as 050041. ZPMC QC is identified as Mr.Qiu Wen. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA17F/G-25 located on Skin C Bearing Plate. Welder is identified as 040261. ZPMC QC is identified as Mr.Qiu Wen. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with the applicable contract documents.

Summary of Conversations:

No Relevant Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Pillai,Pandaram	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
